

A1

cont

An amplifier and power supply 72 also forms a part of the system 100 of the preferred embodiment, and the appropriate signal and power connections 76, 78 are also provided. --

On page 8, at line 8, after "range", please insert -- (see reference numeral 25 in

A2

Figures 2a and 2b) --.

On page 8, at line 13, after "radiation", please insert -- (see reference numeral 25 in

A3

Figures 2a and 2b) --.

On page 9, at line 4, after "mounted", please add -- inside instrument enclosure 80

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On page 9, at line 21, please replace "80" with -- 280 --.

On page 9, at line 22, after "220" please insert --, 222 --.

In the Abstract, please delete the last two sentences beginning with "Coal ash . . ." and insert the following:

-- Sample presentation to the analyzer is done with a plow or leveling plate

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to ensure that material flows past the analyzer at a constant level. The elemental analysis is determined by measuring counts under the characteristic peaks fluoresced by various elements in an energy spectrum resolved with a multi-channel analyzer. --

In the Claims

Please amend Claim 1 as follows:

A6

1. (Amended) An apparatus for [online elemental analysis of] the online detecting or

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